

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020823\
 Data File : VU053005.D
 Acq On : 08 Feb 2023 17:35
 Operator : JC/MD
 Sample : 01378-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT1-2023-02

Quant Time: Feb 09 03:45:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 09 01:09:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/09/2023
 Supervised By : Mahesh Dadoda 02/09/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	319987	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	300431	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	155823	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	134728	45.319	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	90.640%		
7) Chloroethane-d5	1.913	69	112271	46.686	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	93.380%		
11) 1,1-Dichloroethene-d2	2.563	63	163517m	35.894	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	71.780%		
21) 2-Butanone-d5	4.627	46	116196	100.774	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	100.770%		
24) Chloroform-d	5.058	84	226044	45.986	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.980%		
26) 1,2-Dichloroethane-d4	5.698	65	139871	47.608	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.220%		
32) Benzene-d6	5.723	84	476092	47.764	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.520%		
36) 1,2-Dichloropropane-d6	6.685	67	145639	47.357	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.720%		
41) Toluene-d8	7.894	98	457746	46.869	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.740%		
43) trans-1,3-Dichloroprop...	8.173	79	80643	47.846	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.700%		
47) 2-Hexanone-d5	8.630	63	97946	104.878	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	104.880%		
56) 1,1,2,2-Tetrachloroeth...	10.752	84	206825	48.580	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.160%		
66) 1,2-Dichlorobenzene-d4	12.189	152	172087	49.623	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.240%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	4698	1.867	ug/L #	85
3) Chloromethane	1.518	50	5608	2.417	ug/L	98
5) Vinyl chloride	1.601	62	6571	2.300	ug/L #	52
6) Bromomethane	1.859	94	4271	2.166	ug/L	86
8) Chloroethane	1.933	64	4334	2.475	ug/L	92
9) Trichlorofluoromethane	2.135	101	9886	2.261	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	6636	3.012	ug/L #	85
12) 1,1-Dichloroethene	2.576	96	5897	2.809	ug/L #	1
13) Acetone	2.643	43	3092	2.964	ug/L	76
14) Carbon disulfide	2.791	76	14220	2.277	ug/L	99
15) Methyl Acetate	2.955	43	3489	2.309	ug/L	90
16) Methylene chloride	3.042	84	6265	2.473	ug/L	93
17) trans-1,2-Dichloroethene	3.354	96	5346	2.381	ug/L	87
18) Methyl tert-butyl Ether	3.357	73	15438	2.210	ug/L #	91
19) 1,1-Dichloroethane	3.865	63	8126	2.112	ug/L #	87
20) cis-1,2-Dichloroethene	4.662	96	5871	2.318	ug/L #	84
22) 2-Butanone	4.714	43	6427m	5.234	ug/L	
23) Bromochloromethane	4.971	128	3470	2.540	ug/L	86
25) Chloroform	5.087	83	10847	2.521	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.794	62	7167	2.331	ug/L #	67
29) Cyclohexane	5.383	56	7443	2.108	ug/L	92
30) 1,1,1-Trichloroethane	5.312	97	8851	2.292	ug/L	98
31) Carbon tetrachloride	5.521	117	7701	2.274	ug/L	96
33) Benzene	5.772	78	20568	2.233	ug/L	100
34) Trichloroethene	6.543	95	6111	2.440	ug/L	94
35) Methylcyclohexane	6.759	83	9549	2.245	ug/L	94
37) 1,2-Dichloropropane	6.788	63	5331	2.283	ug/L #	96
38) Bromodichloromethane	7.106	83	7755	2.298	ug/L	94
39) cis-1,3-Dichloropropene	7.604	75	8742	2.178	ug/L	92
40) 4-Methyl-2-pentanone	7.791	43	10737	4.748	ug/L	94
42) Toluene	7.968	91	22817	2.186	ug/L	94
44) trans-1,3-Dichloropropene	8.209	75	8723	2.242	ug/L	88
45) 1,1,2-Trichloroethane	8.395	97	5096	2.119	ug/L	93
46) Tetrachloroethene	8.550	164	4557	2.297	ug/L	96
48) 2-Hexanone	8.681	43	11794	6.542	ug/L	95
49) Dibromochloromethane	8.807	129	6678	2.298	ug/L	98
50) 1,2-Dibromoethane	8.919	107	5906	2.244	ug/L #	91
51) Chlorobenzene	9.444	112	15577	2.320	ug/L	99
52) Ethylbenzene	9.566	91	24503	2.135	ug/L	96
53) m,p-Xylene	9.691	106	9816	2.163	ug/L	95
54) o-xylene	10.096	106	10035	2.239	ug/L	99
55) Styrene	10.112	104	15811	2.091	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	9456	2.521	ug/L	97
59) Bromoform	10.289	173	4924	2.418	ug/L	95
60) 1,2,3-Trichloropropane	10.820	75	6588	2.577	ug/L #	90
61) Isopropylbenzene	10.479	105	24087	2.249	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	21031	2.230	ug/L	94
63) 1,2,4-Trimethylbenzene	11.463	105	21736	2.366	ug/L	96
64) 1,3-Dichlorobenzene	11.742	146	11091	2.295	ug/L	93
65) 1,4-Dichlorobenzene	11.832	146	11623	2.391	ug/L	95
67) 1,2-Dichlorobenzene	12.209	146	11675	2.406	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.996	75	1973	2.538	ug/L	91
69) 1,3,5-Trichlorobenzene	13.218	180	8339	2.227	ug/L	96
70) 1,2,4-trichlorobenzene	13.839	180	8567	2.560	ug/L	94
71) Naphthalene	14.086	128	23801	2.400	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	8014	2.444	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

